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=> fil medline biosis caplus embase wpids
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=> (ligand or receptor or signal) same ((N adj formyl adj (peptide or peptide)) or (formyl adj (peptide or peptide)))
UNMATCHED RIGHT PARENTHESIS 'PEPTIDE))'
The number of right parentheses in a query must be equal to the number of left parentheses.

=> (ligand or receptor or signal) and ((N (w) formyl (w) (peptide or peptide)) or (formyl (w) (peptide or peptide)))
L1 3295 (LIGAND OR RECEPTOR OR SIGNAL) AND ((N (W) FORMYL (W) (PEPTIDE OR PEPTIDE)) OR (FORMYL (W) (PEPTIDE OR PEPTIDE)))

=> ring and metathesis
L2 9025 RING AND METATHESIS

=> l1 and l2
L3 1 L1 AND L2

=> d ibib abs l3

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:629956 CAPLUS
TITLE: Effects of **receptor** oligomerization on **N-formyl peptide receptor**: A model of G-protein coupled **receptor** signaling
AUTHOR(S): Lamanna, Allison C.; Brown, Steven D.; Kiessling, Laura L.
CORPORATE SOURCE: Department of Biochemistry, University of Wisconsin-Madison, Madison, WI, 53706, USA
SOURCE: Abstracts of Papers, 226th ACS National Meeting, New York, NY, United States, September 7-11, 2003 (2003), BIOL-088. American Chemical Society: Washington, D. C.
CODEN: 69EKY9
DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English
AB **N-Formyl peptide receptor** (FPR) is a heptahelical transmembrane G-protein coupled **receptor** (GPCR) that is found on the surface of neutrophils, where it is active in

chemotaxis and phagocytosis. Recent studies suggest that GPCRs can homo- or hetero-oligomerize. Here, we demonstrate that **ring** opening **metathesis** polymerization (ROMP)-derived ligands for FPR can alter the signals and biol. responses produced upon FPR activation. Multivalent ligands enhance **signal** induction through FPR, at both the intracellular signaling level and the behavioral level. Polymeric ligands of varying lengths differentially affect the downregulation of FPR signaling. These data suggest that oligomerization of this GPCR by multivalent ligands can change **signal** output. We anticipate that multivalent ligands will be useful both for studying the importance of oligomerization and modulating responses mediated by GPCRs.

=> FIL STNGUIDE

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